

Making It Green!

THE DESIGN PROCESS

- Integrated whole building design approach
- Sustainable design goals established at project's inception
- Involvement of entire team: owner, operations, maintenance personnel, EH&S, and consultants
- A series of design charrettes to establish sustainability goals
- Life cycle cost analysis to determine most suitable energy conservation strategies
- Based on LEED 2.1 and Labs21 Environmental Performance Criteria
- Guided project development from schematic design through contractor selection
- LEED requirements section on Division One clearly spells out the suitable design scope
- Virtually every spec section includes sustainable design requirements
- During construction submittals are reviewed for LEED compliance

SUSTAINABLE DESIGN FEATURES

- SITE
 - Erosion and sedimentation control
 - Site restoration with native grasses
 - Light pollution reduction
- WATER CONSERVATION
 - 30% water reduction in use
 - 50% reduction in landscape irrigation water use
- MATERIALS AND RESOURCES
 - Storage and collection of recyclables
 - Construction waste management diverts over 75% of construction waste
 - Materials with 20% recycled content
 - Certified wood
- ENERGY AND ATMOSPHERE
 - 5 LEED points on optimized energy performance
 - A detailed building commissioning process
- INDOOR ENVIRONMENTAL QUALITY
 - Low VOC paints, sealants and adhesives
 - Construction indoor air quality management plan
- INNOVATION FEATURES
 - Applied the guidelines of the Labs21 Environmental Performance Criteria
 - Low VOC exterior sealants and adhesives

